

SEQUENCE LISTING

<110> Broliden, Kristina
Westgren, Magnus

<120> USE OF PARVOVIRUS CAPSID PARTICLES IN
THE INHIBITION OF CELL PROLIFERATION AND MIGRATION

<130> TRIPEP.019CP1

<140> Unknown

<141>

<150> US 09/447,693

<151> 1999-11-23

<150> SE 9804022-3

<151> 1998-11-24

<160> 63

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 7

<212> PRT

<213> Artificial Sequence

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<223> Peptide fragments derived from parvovirus capsid
particles

<400> 1

Lys Tyr Val Thr Gly Ile Asn

1 5

<210> 2

<211> 21

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particles

<400> 2

Gly Leu Asn Met His Thr Tyr Phe Pro Asn Lys Gly Thr Gln Gln Tyr

1 5 10 15

Thr Asp Gln Ile Glu

20

<400> 3
 Thr Tyr Phe Pro Asn Lys Gly Thr Gln Gln Tyr Thr Asp Gln Ile Glu
 1 5 10 15

<210> 4
<211> 12
<212> PRT
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<220>
<223> Peptide fragments derived from parvovirus capsid particles

particles

$\langle 400 \rangle$ 4

Asn Lys Gly Thr Gln Gln Tyr Thr Asp Gln Ile Glu

1 5 10

$\langle 210 \rangle$ 5
 $\langle 211 \rangle$ 10
 $\langle 212 \rangle$ PRT
 $\langle 213 \rangle$ Artificial Sequence

<220>

<223> Peptide fragments derived from parvovirus capsid particles

<400> 5
Asn Lys Gly Thr Gln Gln Tyr Thr Asp Gln
1 5 10

<210> 6
<211> 8
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<400> 6
Asn Lys Gly Thr Gln Gln Tyr Thr
1 5

Glu Gly Ala Thr
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<210> 11
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<400> 11
Val Lys Ser Met Trp Ser Glu Gly Ala Thr Phe Ser Ala Asn Ser Val
1 5 10 15
Thr Cys Thr Phe
20

<210> 12
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<400> 12
Phe Ser Ala Asn Ser Val Thr Cys Thr Phe Ser Arg Gln Phe Leu Ile
1 5 10 15
Pro Tyr Asp Pro
20

<210> 13
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<400> 13
Ser Arg Gln Phe Leu Ile Pro Tyr Asp Pro Glu His His Tyr Lys Val
1 5 10 15
Phe Ser Pro Ala
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<210> 14
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<212> PRT
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<400> 18
Asp Phe Asn Ala Leu Asn Leu Phe Phe Ser Pro Leu Glu Phe Gln His
1 5 10 15
Leu Ile Glu Asn
20

<210> 19
<211> 20
<212> PRT
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<220>
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<400> 19
Pro Leu Glu Phe Gln His Leu Ile Glu Asn Tyr Gly Ser Ile Ala Pro
1 5 10 15
Asp Ala Leu Thr
20

<210> 20
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<212> PRT
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<400> 20
Tyr Gly Ser Ile Ala Pro Asp Ala Leu Thr Val Thr Ile Ser Glu Ile
1 5 10 15
Ala Val Lys Asp
20

<210> 21
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<212> PRT
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<400> 21
Val Thr Ile Ser Glu Ile Ala Val Lys Asp Val Thr Asp Lys Thr Gly
1 5 10 15

Gly Gly Val Gln
20

<210> 22

<211> 20

<212> PRT

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<400> 22

Val Thr Asp Lys Thr Gly Gly Gly Val Gln Val Thr Asp Ser Thr Thr

1 5 10 15

Gly Arg Leu Cys

20

<210> 23

<211> 20

<212> PRT

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<223> Peptide fragments derived from parvovirus capsid

<400> 23

Val Thr Asp Ser Thr Thr Gly Arg Leu Cys Met Leu Val Asp His Glu

1 5 10 15

Tyr Lys Tyr Pro

20

<210> 24

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide fragments derived from parvovirus capsid

<400> 24

Met Leu Val Asp His Glu Tyr Lys Tyr Pro Tyr Val Leu Gly Gln Gly

1 5 10 15

Gln Asp Thr Leu

20

<210> 25

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<211> 20
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<220>
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<400> 29
Ser Lys Lys Leu Ala Ser Glu Glu Ser Ala Phe Tyr Val Leu Glu His
1 5 10 15
Ser Ser Phe Gln
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<210> 30
<211> 20
<212> PRT
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<400> 30
Phe Tyr Val Leu Glu His Ser Ser Phe Gln Leu Leu Gly Thr Gly Gly
1 5 10 15
Thr Ala Thr Met
20

<210> 31
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 31
Leu Leu Gly Thr Gly Gly Thr Ala Thr Met Ser Tyr Lys Phe Pro Pro
1 5 10 15
Val Pro Pro Glu
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<210> 32
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 32
Ser Tyr Lys Phe Pro Pro Val Pro Pro Glu Asn Leu Glu Gly Cys Ser
1 5 10 15

Gln His Phe Tyr
20

<210> 33
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 33
Asn Leu Glu Gly Cys Ser Gln His Phe Tyr Glu Met Tyr Asn Pro Leu
1 5 10 15
Tyr Gly Ser Arg
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<210> 34
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide fragments derived from parvovirus capsid

<400> 34
Glu Met Tyr Asn Pro Leu Tyr Gly Ser Arg Leu Gly Val Pro Asp Thr
1 5 10 15
Leu Gly Gly Asp
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<210> 35
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 35
Leu Gly Val Pro Asp Thr Leu Gly Gly Asp Pro Lys Phe Arg Ser Leu
1 5 10 15
Thr His Glu Asp
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<210> 36
<211> 20
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<220>

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<220>
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<400> 40
Lys Ala Leu Thr Gly Leu Ser Thr Gly Thr Ser Gln Asn Thr Arg Ile
1 5 10 15
Ser Leu Arg Pro
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<210> 41
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 41
Ser Gln Asn Thr Arg Ile Ser Leu Arg Pro Gly Pro Val Ser Gln Pro
1 5 10 15
Tyr His His Trp
20

<210> 42
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 42
Gly Pro Val Ser Gln Pro Tyr His His Trp Asp Thr Asp Lys Tyr Val
1 5 10 15
Thr Gly Ile Asn
20

<210> 43
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 43
Asp Thr Asp Lys Tyr Val Thr Gly Ile Asn Ala Ile Ser His Gly Gln
1 5 10 15

Thr Thr Tyr Gly
20

<210> 44
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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<400> 44
Ala Ile Ser His Gly Gln Thr Thr Tyr Gly Asn Ala Glu Asp Lys Glu
1 5 10 15
Tyr Gln Gln Gly
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<210> 45
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<400> 45
Asn Ala Glu Asp Lys Glu Tyr Gln Gln Gly Val Gly Arg Phe Pro Asn
1 5 10 15
Glu Lys Glu Gln
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<210> 46
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<400> 46
Val Gly Arg Phe Pro Asn Glu Lys Glu Gln Leu Lys Gln Leu Gln Gly
1 5 10 15
Leu Asn Met His
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<210> 47
<211> 20
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<223> Peptide fragments derived from parvovirus capsid

<400> 47

Leu Lys Gln Leu Gln Gly Leu Asn Met His Thr Tyr Phe Pro Asn Lys

1 5 10 15

Gly Thr Gln Gln

20

<210> 48

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide fragments derived from parvovirus capsid

<400> 48

Thr Tyr Phe Pro Asn Lys Gly Thr Gln Gln Tyr Thr Asp Gln Ile Glu

1 5 10 15

Arg Pro Leu Met

20

Journal of Interpersonal Violence

<210> 49

$\langle 211 \rangle$ 20

<212> PRT

<213> Artificial Sequence

 $\langle 220 \rangle$

<223> Peptide fragments derived from parvovirus capsid

49

Met Thr Tyr Asp Gln Ile Glu Arg Pro Leu Met Val Gly Ser Val Trp Asn

1 5 10 15

Arg Arg Ala Leu

20

<210> 50

<211> 20

<212> PRT

<213> Artificial Sequence

<220>

<223> Peptide fragments derived from parvovirus capsid

<400> 50

Val Gly Ser Val Trp Asn Arg Arg Ala Leu His Tyr Glu Ser Gln Leu

1 5 10 15

Trp Ser Lys Ile

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<210> 51

<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide fragments derived from parvovirus capsid

<400> 51
His Tyr Glu Ser Gln Leu Trp Ser Lys Ile Pro Asn Leu Asp Asp Ser
1 5 10 15
Phe Lys Thr Gln
20

<210> 52
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
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05550
<400> 52
Pro Asn Leu Asp Asp Ser Phe Lys Thr Gln Phe Ala Ala Leu Gly Gly
1 5 10 15
Trp Gly Leu His
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05550
<210> 53
<211> 20
<212> PRT
<213> Artificial Sequence

05550
<220>
<223> Peptide fragments derived from parvovirus capsid

<400> 53
Phe Ala Ala Leu Gly Gly Trp Gly Leu His Gln Pro Pro Pro Gln Ile
1 5 10 15
Phe Leu Lys Ile
20

<210> 54
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide fragments derived from parvovirus capsid

<400> 54
Gln Pro Pro Pro Gln Ile Phe Leu Lys Ile Leu Pro Gln Ser Gly Pro
1 5 10 15

Ile Gly Gly Ile
20

<210> 55
<211> 20
<212> PRT
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<220>
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<400> 55
Leu Pro Gln Ser Gly Pro Ile Gly Gly Ile Lys Ser Met Gly Ile Thr
1 5 10 15
Thr Leu Val Gln
20

<210> 56
<211> 20
<212> PRT
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<223> Peptide fragments derived from parvovirus capsid
<400> 56
Lys Ser Met Gly Ile Thr Thr Leu Val Gln Tyr Ala Val Gly Ile Met
1 5 10 15
Thr Val Thr Met
20

<210> 57
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Peptide fragments derived from parvovirus capsid

<400> 57
Tyr Ala Val Gly Ile Met Thr Val Thr Met Thr Phe Lys Leu Gly Pro
1 5 10 15
Arg Lys Ala Thr
20

<210> 58
<211> 20
<212> PRT
<213> Artificial Sequence

<220>

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Thr Phe Lys Leu Gly Pro Arg Lys Ala Thr Gly Arg Trp Asn Pro Gln
1 5 10 15
Pro Gly Val Tyr
20

$\langle 211 \rangle$ 20

<213> Artificial Sequence

<223> Peptide fragments derived from parvovirus capsid

Gly Arg Trp Asn Pro Gln Pro Gly Val Tyr Pro Pro His Ala Ala Gly
1 5 10 15
His Leu Pro Tyr
20

 $\langle 211 \rangle$ 20

<213> Artificial Sequence

<223> Peptide fragments derived from parvovirus capsid

Pro Pro His Ala Ala Gly His Leu Pro Tyr Val Leu Tyr Asp Pro Thr
1 5 10 15
Ala Thr Asp Ala
20

<211> 20

<213> Artificial Sequence

<223> Peptide fragments derived from parvovirus capsid

Val Leu Tyr Asp Pro Thr Ala Thr Asp Ala Lys Gln His His Arg His
1 5 10 15
Gly Tyr Glu Lys
20

- 17 -

[illegible]